

Last information update: February 2023

**Product configuration: BF85+L160**

BF85: Circular recessed luminaire flood optic.



**Product code**

BF85: Circular recessed luminaire flood optic. **Attention! Code no longer in production**

**Technical description**

Ground-recessed luminaire with 20W HIT metal halide lamps and fixed flood optic. Consists of cast aluminium body and outer casing (which can be ordered separately), with stainless steel frame and bolts and screws. The outer casing for installation includes the compartment for the control gear box and is also available in the "Light" version made of thermoplastic material. The reflector is made of 99.93% super-pure anodised, polished aluminium. The optical assembly is closed at the top by 12mm thick tempered sodium-calcium glass, with a silicone seal, compressed by the AISI 304 stainless steel frame. The wiring assembly is in the lower part, complete with stainless steel PG11 cable gland and L=600mm cable for connecting the optical assembly and the external control gear box. The external component-holding box has an IP67 rating and is made of high performance black PPS thermoplastic material. The components box also houses the electronic ballast and is set up for pass-through wiring with a double M24x1.5 stainless steel cable gland, suitable for cables with 7-16mm diameter. The body-optical assembly has a locking system with 2 stainless steel captive screws on which two aluminium plates slide. The locking system guarantees positioning of the assembly and anchoring to the outer casing. The body-optical assembly and outer casing are painted with acrylic paints to guarantee protection against weather and UV rays. The frame, glass, optical assembly and outer casing together guarantee a maximum static load of 5000 kg when the outer casing is aluminium and 500 kg with the plastic ("Light") outer casing. The maximum surface temperature of the glass is 80°C. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

**Installation**

Ground-recessed using the outer casing, to be ordered separately. Once installed, the upper edge of the outer casing must not project above ground level (max. 1 mm allowed). Outer casing upper diameter = 124mm, H=118 mm.

**Colour**

Steel (13)

**Mounting**

ground recessed

**Wiring**

Luminaire equipped with IP67 external BOX incorporating electronic ballast 220-240Vac 50/60Hz.

Complies with EN60598-1 and pertinent regulations



**Technical data**

lm system:	821.7	Colour temperature [K]:	3000
W system:	24	Ballast losses [W]:	4
lm source:	1650	Voltage [Vin]:	230
W source:	20	Lamp code:	L160
Luminous efficiency (lm/W, real value):	34.2	Socket:	PGJ5
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	HIT-CE
Light Output Ratio (L.O.R.) [%]:	50	Number of optical assemblies:	1
Beam angle [°]:	54°	Intervallo temperatura ambiente:	from -20°C to +35°C.
CRI:	86		

**Polar**

Imax=870 cd	Lux			
	h	d	Em	Emax
	2	2	161	218
	4	4.1	40	54
	6	6.1	18	24
	8	8.2	10	14

**Isolux**

